

FAX COVER SHEET  
Proposed Examiner's Amendment  
**APPLICATION#: 10578558**  
**ATT.DOC.#: 117-583 (AMK)**

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**PROPOSED EXAMINER'S AMENDMENT REPLACING CLAIM 139 WITH THE FOLLOWING:**

--A lockable articulated sheet structure comprising:

a plurality of first modules each having three coplanar arms extending radially outward from common point, each arm having a bottom surface with a truncated ball extending orthogonally therefrom;

a plurality of second modules each having three coplanar arms extending radially outward from a common point, each arm having an upper surface with a substantially spherical socket defined therethrough;

a plurality of said balls conformingly received in a plurality of said sockets to pivotally connect said first modules to said second modules so that each of said modules is capable of rotating about a first and second axes with respect to a neighboring one of said modules, said first axis being parallel to a plane of the sheet when laid flat and said second axis being orthogonal to a plane of the sheet when laid flat;

a space being defined between a substantially flat surface of each connecting ball and a substantially flat surface of each connecting socket, a locking material filling each said space, each said locking material capable of assuming at least two states including a first soft state which allows relative movement of said modules and a second solid state which at least substantially prevents such movement, a transition between said two states being accomplished by a selective introduction of energy to said locking material; and

wherein a density of selectable portions of said structure is variable so that said sheet structure may be smoothly molded around complex shapes.--

All remaining claims should either be amended to depend from newly proposed claim 139 above, or canceled.